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SUBJECT GROUP 8000 - 8199 GENERAL ORDNANCE MATERIAL AMMUNITION AND
EXPLOSIVES

SUBGROUP 8027 - EXPLOSIVE ORDNANCE DISPOSAL

8027.1 General

a. In the event of ordnance accidents, incidents or mishaps, EOD services will be provided by EODMU TWO Detachment Norfolk for the commands within the following geographic areas: NAVSHIPYD Norfolk, NAVSTA Norfolk, NAVPHIBASE Little Creek, NAS Oceana, FCTCLANT, NAVSECGRUACT Northwest, NALF Fentress, and Wallops Island. EODMU TWO Detachment Yorktown will provide EOD services for afloat units, tenant commands of/and WPNSTA Yorktown.

b. Maximum units of select weapons that may be present on a given handling pier in order not to exceed a particular ESQD arc or the limits established by a CNO waiver.

Nomenclature	ESQD = 500 ft.	ESQD = 1250 ft.
AIM-9	4	8
VL ASROC	3	4
HARPOON	1	4
SEA SPARROW	4	8
TOMAHAWK	1	4
TORPEDOES - MK 46	4	8
TORPEDOES - MK 48 (MOD 4 and ADCAP)	2	4

c. Definitions

(1) **Essential Personnel**. Those military/civil service personnel and contractor personnel whose duties require them to remain within an ESQD arc for one or more of the following reasons:

- (a) Direct involvement in an ammunition handling evolution
- (b) Normal in-port ship-keeping duties by assigned military personnel.
- (c) Provision of mission-required-in-port services.
- (d) Provision of mission-related repairs and/or tests to in-port ships.
- (e) "Essential personnel" **does not include** vendors (i.e. food, beverage and similar deliveries), commercial delivery vehicles (unless carrying mission related materials), **dependents**, or non-DOD personnel except as categorized above.

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(2) **Explosive Evolution.** An on-load or off-load of explosives/ammunition, completed within a 48 hour time period per evolution, or a combination thereof, not exceeding the explosive limit established for the pier or berth at any point of time.

(3) **Explosive Limit.** The total amount of explosive material authorized to be present at any time on or alongside the pier, ship, or boat/service craft or at an authorized handling point or location, and outside the skin of the ship. Explosive limits for pierside evolutions are based on the storage net explosive weight (NEW).

(4) **Explosive Safety Quantity Distance (ESQD) Arcs.** Safety zones designed to protect the public, which surround sites where ammunition and explosives are stored and/or handled. The size of the arc is based on the total NEW and calculated using the appropriate tables from reference (b). Separation distances are not absolute safe distances but are relative protective distances.

(5) **Handling Location or Area.** That designated location on a pier or wharf, or at a buoy, where explosives are allowed to be transferred between two ships, or a ship and vehicle, or other transport, or the point alongside where the transfer between pier and boat or ship and boat is conducted. Also included are those anchorages designated as explosive anchorages where ammunition transfers may occur.

(6) **NEW.** That weight of explosives and/or other energetic material that is used in the determination and application of explosive limits and explosives safety quantity distance (ESQD) arcs. "Other energetic materials" includes propellants; whether in fixed ammunition, separate cartridges, or bulk; white phosphorus, pyrotechnics; etc. Black powder is to be treated as HE. When Classes 1.3 and 1.4 are handled either singly or together, with no HE present, the full weight of all the energetic materials in the Class 1.3 and/or 1.4 munitions must be used. Where Class 1.4 is handled with no other explosives energetic materials present, the approved-sited explosive limit will be observed. Explosive weights for munitions shall be obtained from NAVSEA OP SW020-AC-SAF-020 Volumes 1,2, or 3.

(7) **Operational Necessity.** A situation of such compelling urgency that failure to grant a deviation from established explosive safety criteria will have a harmful impact of the mission readiness of DON forces.

(8) **Ordnance Facility.** A shore activity under the management control of the Commander, Naval Sea Systems Command or Fleet Commanders-in-Chief, whose mission includes receipt issue, handling and storage of large quantities of munitions. In the Mid-Atlantic Region, only WPNSTA Yorktown is classified an "ordnance facility."

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(9) Public Traffic Route (PTR). Any public street, road, highway, navigable stream, or passenger railroad (includes roads on a military reservation that are used routinely by the general public for through traffic).

(10) "Top-Off" Operation. For ships, it is the loading of a small amount of ammunition to complete the ship's allowance.

(11) Waiver. Written authority that provides a temporary exception and permits deviation from a mandatory requirement of NAVSEA OP 5. It is generally granted for short periods of time pending cancellation as a result of termination of scheduled work commitments or correction of the waived conditions.